Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/29/2019 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124197	-1	1.52	124182	1.52
Blue	F	SSC	125000	124231	-1	2.96	125122	2.90
Blue	E	FITC	16694	16413	-2	3.41	380	21.26
Blue	D	PE	32792	32498	-1	2.51	717	15.99
Blue	B	PerCP-Cy5-5	44451	44337	-1	4.65	1213	22.79
Blue	A	PE-Cy7	33645	33930	0	7.18	609	48.31
Red	C	APC	47008	46644	-1	3.26	1798	13.41
Red	A	APC-Cy7	32298	31832	-2	3.04	792	14.07
Violet	B	V450	8961	8722	-3	4.32	480	14.19
Violet	A	V500	32726	31499	-4	4.08	754	11.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20271	3.74	607	-6	N/A	N/A	Pass
Blue	F	SSC	56259	2.24	576	8	N/A	N/A	Pass
Blue	E	FITC	63	67.07	564	1	0.0159	59	Pass
Blue	D	PE	142	55.20	568	2	0.1297	252	Pass
Blue	B	PerCP-Cy5-5	222	55.47	673	2	0.0075	48	Pass
Blue	A	PE-Cy7	118	123.55	729	3	0.0090	32	Pass
Red	C	APC	410	29.38	613	0	0.0197	201	Pass
Red	A	APC-Cy7	196	31.70	585	0	0.0047	1067	Pass
Violet	B	V450	70	70.48	479	-7	0.0488	2495	Pass
Violet	A	V500	108	36.28	488	-8	0.0197	696	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.74	1.15
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.30	13.60 - 20.40	N/A	N/A	29.10	29.35	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14833

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments